

IN THE SPECIFICATION:

At page 1, before line 1, insert the following paragraph:

--This patent application is a continuation of Application Serial No. 10/083,435 filed on February 27, 2002, which in turn is a continuation of Application Serial No. 09/449,945 filed on November 29, 1999, now United States Patent No. 6,354,024, and which are incorporated herein by reference.--.

Please replace the paragraph beginning at page 17, line 14, with the following:

--FIGURE 1 is a left elevational view of the frame mount assembly in accordance with the present invention;--.

Please replace the paragraph beginning at page 17, line 16, with the following:

--FIGURE 2 is a view of the frame mount assembly as shown in FIGURE 1 wherein the blade mount assembly is detached from the support assembly;--.

Please replace the paragraph beginning at page 17, line 18, with the following:

--FIGURE 3 is a view of the frame mount assembly as illustrated in FIGURE 1 wherein the support unit is detached from the housing mount assembly;--.

Please replace the paragraph beginning at page 17, line 20, with the following:

--FIGURE 4 is an enlarged view of FIGURE 1 illustrating the reattachment of the support assembly to the frame mount assembly;--.

Please replace the paragraph beginning at page 17, line 22, with the following:

--FIGURE 5 is a further enlarged cross-sectional view taken along lines 5-5 in FIGURE 1;--.

Please replace the paragraph beginning at page 17, line 25, with the following:

--FIGURE 7 is a fragmentary elevational view of the plow blade unit illustrating the stand on the blade mount assembly in a retracted position;--.

Please replace the paragraph beginning at page 17, line 27, with the following:

--FIGURE 8 is a detached front perspective view of the frame mount assembly;--.

Please replace the paragraph beginning at page 18, line 1, with the following:

--FIGURE 9 is a further detached exploded front perspective view of the support assembly and lift mount assembly;--.

Please replace the paragraph beginning at page 18, line 3, with the following:

--FIGURE 10 is a still further detached front perspective view of the blade mount assembly without the plow blade;--.

Please replace the paragraph beginning at page 18, line 5, with the following:

--FIGURE 11 is a view similar to FIGURE 1 of an alternate embodiment of the frame mount assembly in accordance with the present invention;--.

Please replace the paragraph beginning at page 18, line 7, with the following:

--FIGURE 12 is a view of the frame mount assembly as shown in FIGURE 11 wherein the blade mount assembly is detached from the support assembly;--.

Please replace the paragraph beginning at page 18, line 9, with the following:

--FIGURE 13 is a view of the frame mount assembly as illustrated in FIGURE 11 wherein the support unit is detached from the housing mount assembly;--.

Please replace the paragraph beginning at page 18, line 11, with the following:

--FIGURE 14 is a fragmentary elevational enlarged view of the frame mount assembly as illustrated in FIGURE 11 wherein the frame mount assembly is secured to the support assembly;--.

Please replace the paragraph beginning at page 18, line 13, with the following:

--FIGURE 15 is a cross-sectional view taken along lines 15-15 in FIGURE 12;--.

Please replace the paragraph beginning at page 18, line 14, with the following:

--FIGURE 16 is a detached front perspective view of the frame mount assembly in FIGURE 11;--.

Please replace the paragraph beginning at page 18, line 16, with the following:

--FIGURE 17 is a further enlarged cross-sectional view taken along lines 17-17 in FIGURE 12;--.

Please replace the paragraph beginning at page 18, line 17, with the following:

--FIGURE 18 is a cross-sectional view taken along lines 18-18 in FIGURE 17;--.

Please replace the paragraph beginning at page 18, line 18, with the following:

--FIGURE 19 is a detached front perspective view of the support assembly and lift mount assembly in FIGURE 11; and--.

Please replace the paragraph beginning at page 18, line 20, with the following:

--FIGURE 20 is an exploded front perspective view of the blade mount assembly in FIGURE 11 without the plow blade.--.

Please replace the second full paragraph on page 19, at line 11, with the following:

--Referring now to FIGURES 1-4, blade mount assembly 40 includes a plow blade 41 having a generally longitudinally extending structural frame 42, a scraper blade 44 which is attached to the bottom of structural frame 42 and an inwardly curved mold board 46. For consistency of terminology as used herein, the scraper blade is the replaceable, lower edged portion of the plow blade, and the blade is the inwardly curved front face 48 of mold board 46 and the scraper blade 44. Plow blade 41 includes a structural frame 42, mold board 46 and scraper blade 44.--.

Please replace the third full paragraph on page 19, at line 17, with the following:

--Secured or attached to snowplow blade 41 is the A-frame 50 of blade mount assembly 40.

A-frame structure 50 is best shown in FIGURE 10. The A-frame structure 50 includes a support cross-over arm 51 having journals 52 connected to the two ends of the cross-over arm. The two journals 52 include journal holes 54 for securing A-frame 50 to the support assembly 250. The A-frame 50 also includes two struts 56 which are connected at one end to the cross-over arm 51 and at the other end to a mount plate 58. Mount plate 58 includes a lift bracket 60 having bracket holes 62. The bracket holes 62 are designed to receive a rope or chain so that the blade mount assembly can be lifted and/or lowered by the lift mount assembly 310. Mount plate 58 includes an upper portion 64 and a lower portion 68, each of which include aligned openings 66, 70 respectively.--.

Please replace the paragraph beginning at page 19, line 26, with the following:

--As shown in FIGURE 1, an arcuate connector bar 150 is used to interconnect the plow blade 41 to mount plate 58. Arcuate bar 150 includes an arcuate shaped top portion 152 and two leg portions 154 attached to the top portion and extending outwardly therefrom. A support bar 156 that is secured between the two leg portions 154 to provide structural integrity to the arcuate connector bar. The arcuate connector bar also includes a mount landing 158 having an opening. The mount landing 158 is designed to be inserted between upper portion 64 and lower portion 68 of mount plate 58. The arcuate bar is connected to the mount plate by aligning openings 66, 70 in mounting plate 58 with opening in mount landing 158 and then inserting a bolt 162 through the holes. This connection allows the plow blade to pivot about the openings.--.

Please replace the third full paragraph on page 20, at line 27, with the following:

--Referring again to FIGURES 1-4, structural frame 42 of the snowplow 41 is a conventional frame and comprising a longitudinally extending top mounting member 110 which extends the length of the snowplow, a longitudinally extending bottom mounting member 114 which similarly extends the length of the plow blade, and a plurality of transversely spaced inwardly curved braces 118 which extend between and are secured to the top and bottom mounting members 110, 114. Both mounting members 110 and 114 include mounting holes 112, 116 respectively to enable the mounting members to be secured by mount bolts 120 to mold board 46 of plow blade 41. In practice, mounting members 110 and 114 are L-shaped structures which include one leg radially

extending from back surface of plow blade 41. Braces 118 are also structurally angled components which are oriented to have an L-shaped or V-shaped cross-sectional configuration. The braces are commonly welded to both the mounting members 110 and 114.--.

Please replace the second full paragraph on page 22, at line 14, with the following:

--Referring now to FIGURES 6, 7 and 10, the A-frame includes a stand 90 which is mounted between two parallel positioned stand flanges 80. Stand flanges 80 are secured at one end to support cross-over arm 51. The other ends of the two stand flanges are connected to flange braces 82 which are in turn are connected to struts 56. A flange plate 84 secures the top end edges of the stand flanges together. Each stand flange include three flange openings 86 which are aligned to one another and are designed to mount stand 90 in a support position and a retracted position. Stand 90 includes a stand shoe 94 and a plurality of stand openings 92 to adjustably secure stand 90 to stand flange 80. A stand pin 96 is used to secure stand 90 to stand flange 80 and a pin clip 98 is designed to be positioned in a pin opening 99 for securing stand pin 96 in a secured or locked position. Referring specifically to FIGURE 6, stand 90 is in a support position whereby stand shoe 94 engages the ground surface G and elevates the back end of the A-frame from the ground surface. Stand 90 is positioned in the support position when the plow blade assembly 40 is to be attached and/or detached from support assembly 250, and/or when support assembly 250 is to be attached and/or detached from the frame housing of the frame mount assembly 20. FIGURE 7 illustrates the stand in the retracted position and is maintained in such position when the snowplow is in use. As can be appreciated, holes 86 are positioned in such a manner that stand pin 96 can be used to mount the stand in the support position and in the retracted position. As best illustrated in FIGURES 2-4, stand 90, when used in conjunction with skid plate 134 supports both ends of the A-frame and the plow blade in an elevated position so that the blade mount assembly and/or support assembly can be easily attached to and/or detached from the frame housing of the frame mount assembly 20.--.

Please replace the paragraph beginning at page 24, line 3, with the following:

--Referring to FIGURES 1-4 and 9, support assembly 250 includes a pair of inner legs 260 and a pair of outer legs 262. The inner legs and outer legs are laterally spaced apart. A leg brace 264

secures each pair of inner and outer legs together. A leg flange 272 is secured to the inner side of each of the inner legs by a leg flange 272 which in turn is connected to a leg bar 274. Leg flange 272 is welded to the inner side of the leg and leg bar 274 is preferably welded to the inner side of leg flange 272. Inner legs and outer legs include a plurality of openings for securing the support assembly to the housing mount and to connect other components of the frame mount assembly to the support assembly. At one end of the inner leg and outer leg is a landing opening 266. Spaced from landing opening 266 is journal opening 268. Spaced from journal opening 268 is an upper support opening 270. Connected to the exterior side of outer leg 262 is a pin housing 280, 282 and 284. Pin housing 280 includes housing openings 286 which are aligned with landing opening 266. Pin housing 282 includes housing openings 286 which are aligned with journal opening 268. Pin housing 284 includes housing openings 286 which are aligned with upper support openings 270. Pin housings 280, 282, and 284 are designed to maintain a pin 290 within the housing. Pin 290 includes a pin stop 292 radially extending from the surface of the pin. Pin 290 also includes a pin opening 296 to receive a pin clip 294. Pin stop 292 limits the movement of pin 290 within the pin housing so as to prevent the pin from being completely removed from the housing. Pin clip 294 is designed to secure pin 290 in the extended position whereby the end of the pin extends into landing opening, journal opening and/or upper support opening. The positioning of pin 290 within the pin housing is best illustrated in FIGURE 5.--.

Please replace the paragraph beginning at page 25, line 26, with the following:

--Referring again to FIGURE 1, frame mount assembly 20 is designed so that the components of the frame mount can be easily attached and/or detached from the vehicle in a multitude of ways. As shown in FIGURE 1, support assembly 250 is secured in housing mount 200. Support assembly 250 is simply secured to housing mount 200 by positioning the end of inner leg 260 onto landing 220 until landing opening 266 in inner leg 260 and outer leg 262 are aligned with support opening 230. Once these openings are aligned, pin 290 is moved in pin housing 280 and is inserted through all the openings. Pin clip 294 is then inserted through pin opening 296 to secure the pin in position. This procedure is repeated on the other set of inner leg 260 and outer leg 262 of support assembly 250. Support assembly 250 is then rigidly secured to the housing mount by aligning upper support

opening on inner leg 260 and outer leg 262 with support opening 232 on mounting bracket 210. Once the openings are aligned, pin 290 in pin housing 280 is moved through all the openings and pin clip 294 is used to secure pin 290 in position. Once this procedure is repeated on the other set of inner leg 260 and outer leg 262, the support assembly 250 is rigidly secured to housing mount 200. As can be appreciated, support assembly 250 can be easily removed from housing mount 200 by repositioning the four pins 290 in their respective pin housings of support assembly 250 thereby releasing the support assembly from housing mount 200.--.

Please replace the first full paragraph on page 27, at line 8, with the following:

--Referring now to FIGURES 2-4, the design of the frame mount assembly 20 allows for one or more of the components of the frame mount assembly to be removed and/or secured to the vehicle. As shown in FIGURE 2, blade mount assembly 40 is detached from the vehicle while support assembly 250 and lift mount assembly 310 remain secured to the vehicle. This arrangement may be desirable when the plow blade assembly needs to be repaired, or if the vehicle is to be used for purposes other than snowplowing. When the plow blade assembly 40 is the only component which is to be removed from the vehicle, stand 90 is positioned in the support position so that stand shoe 94 engages ground surface G. The stand is then secured in position by inserting stand pin 96 through stand opening 92 and pin clip 98 is then secured into pin openings 99 to secure the stand pin 96 within the stand opening 92. As can be appreciated, when stand 90 is positioned in the support position, plow blade assembly 40 is secured in a rested position since the two skid plates 134 support the front of the plow blade assembly and stand 90 supports the rear of the plow blade assembly. As can be appreciated, skid plates 134 and stand 90 reduce and/or relieve the stress on pin 290 which secures journal 50 on inner leg 260 and outer leg 262 of support assembly 250. As a result of the reduction or removal of stress, pin 290 can be easily repositioned within pin housing 282 thereby easily attaching and/or detaching journals 52 from support assembly 250. Once pin 290 is repositioned within pin housing 282 and withdrawn from the openings, vehicle 30 can be backed up thereby separating plow blade assembly 40 from support assembly 250. As can be appreciated, when plow blade assembly 40 needs to be reattached to support assembly 250, the vehicle is moved toward the two journals 52 on plow blade assembly 40 until support journals are aligned with opening 268

and inner leg 260. Once pin 290 is positioned through the openings, stand 90 is repositioned in the retracted position and the plow blade assembly can once again be used for removal of snow and debris from the ground surface.--.

Please replace the first full paragraph on page 28, at line 4, with the following paragraph:

--Referring now to FIGURES 3 and 4, the support assembly 250 is shown as being detached from housing mount 200. As shown in FIGURE 3, support assembly 250 has been detached from housing mount 200 but remains attached to plow blade assembly 40. As previously discussed, support assembly 250 can be simply removed from housing mount 200 by repositioning the four pins 290 within pin housing 280, 284. Once the pins have been repositioned, the vehicle can be backed up thereby causing the ends of inner leg 260 and outer leg 262 to be released from mounting bracket 210. When support assembly 250 is completely released from housing mount 210, rest bolt 302 on support assembly 250 engages the top of frame mount assembly 20 thereby supporting the support assembly and lift mount assembly 310 on the top of plow blade assembly 40. As discussed above, when plow blade assembly 40 is to be detached from the vehicle, stand 90 is repositioned in the support position. As can be appreciated, when stand 90 is positioned in the support position, the stresses on pins 290 and support openings 230 and 232 of housing mount 200 are reduced or removed thereby allowing pins 290 to be easily retracted within pin housing 280 and 284 thus simplifying the detachment of support assembly 250 from housing mount 200.--.

Please replace the paragraph beginning at page 28, line 18, with the following:

--Referring now to FIGURE 4, the configuration of landing 220, lip 222 and extension arm 224 facilitate in the attachment and/or detachment of support assembly 250 from housing mount 200. As shown in FIGURE 4, when support assembly 250 is to be reconnected to housing mount 200, vehicle 30 is moved toward the ends of inner leg 260 and outer leg 262 on support assembly 250. As the vehicle is moved forward, the bottom edge of extension arm 224 engages the top edge of inner leg 260. As the vehicle continues to move forward, extension arm 224 slowly guides the ends of inner leg 260 toward alignment with support openings 230 and 232 and mounting bracket 210. As inner leg 260 moves into contact with landing 220, support assembly 250 pivots about journal

hole 54 and journals 52 of plow blade assembly 40 so as to simultaneously move support assembly 250 and lift mount assembly 310 in the proper positions. Lip 222 helps to guide the bottom edge of inner leg 260 onto the landing. Once landing opening 266 is aligned with support opening 230, pin 290 within pin housing 280 is moved into position to thereby secure outer leg 262 and inner leg 260 on mounting bracket 210. The upper support opening 270 on inner leg 260 and outer leg 262 will now be in alignment or in close alignment with support opening 232 so as to allow pin 290 in pin housing 284 to be easily repositioned with little or no further repositioning of support assembly 250 withing housing mount 200. Once the four pins are secured in position, support assembly 250, lift mount assembly 310, and plow blade assembly 40 are once again secured to the vehicle for snowplow operations. The stand is then repositioned in the retracted position prior to snowplow operation.--.

Please replace the paragraph beginning at page 32, line 19, with the following:

--Referring now to FIGURES 11-16, housing mount 500 is shown as being secured to the underside of the vehicle. As shown in FIGURES 11-13, two support struts 510 are attached at one end to the vehicle frame members 452 and the other end of support strut is secured to bracket plate 520 and is secured by bolts secured within plate opening 522. The housing mount also includes a frame plate 530 which is secured by plate bolts 532 to frame members 452. The frame plate and support struts rigidly secure mounting bracket 540 via bolts 544 in openings 542 to the frame members and rearwardly of the bumper.--.

Please replace the first full paragraph on page 34, at line 9, with the following:

--As best shown in FIGURE 15, pin housings 640, 642, and 644 include a front face 660, and back face 662, and two side faces 664, 666. Front face 660 include two openings, a pin opening 668 and a pin head opening 670. Pin opening 668 is sized to allow pin 652 to move through the opening. Pin head opening is sized to allow a pin head leg 655 to pass through the opening. When the pin head leg 655 is in pin opening 670, pin 652 is in the locked position, and also prevents rotation of pin 652 in the housing. When pin 652 is to be moved in the retracted or unlocked position, pin head leg 655 is retracted from pin head opening 670. The pin can be maintained in the unlocked position

by rotating pin 652 until pin head leg 655 is not aligned with pin head opening 670. When the pin is in the unlocked position, spring 656 is in a compressed position. When the pin is to be returned to the locked position, pin 652 is rotated until pin head leg 655 realigns with pin head opening 670 and then inserted through the opening. Pin handles 654 facilitated in the moving of the pins between the unlocked and locked positions.--.

Please replace the first full paragraph on page 36, at line 5, with the following:

--As shown in FIGURES 11-13, an actuator 950 is secured to the lift mount assembly. A pair of actuator brackets 952 each having an opening 953 to pivotally secure the base of the actuator to support bar 920. The piston 954 of actuator 950 is secured to lift arm 960 within bracket openings 944 by a pin, bolt or the like secured through bracket openings 944 and mount opening 956. The end 962 of lift arm 960 includes a lift hook 964 to secure to a rope or chain 970. Chain 970 is secured to blade mount assembly by connecting the chain to lift bracket 772 on mount plate 770.--.

Please replace the paragraph beginning at page 36, line 11, with the following:

--Referring to FIGURE 19, one end of support bar 920 includes a mount bracket 980 for support stand 850. The mount bracket 980 includes a cylindrical end 982 which can be inserted into connection flange 890 of the support stand as shown in FIGURE 11. This cylindrical end 982 includes openings 984 to receive pin 894 when securing the support stand for storage to the lift mount assembly.--.